

Amendments to the Claims:

This listing of claims will replace all previous versions and listings of claims in the application:

1. (currently amended) A method for inhibiting aberrant neuron sprouting *in vivo*, comprising contacting a human trkC receptor of SEQ ID NO: 6 expressed in ~~neuron~~ neuronal cells with an antagonistic antibody specifically binding to a sequence within amino acid residues 32 and 839 of SEQ ID NO: 6.

2.-3. (canceled)

4. (original) The method of claim 1 wherein said antibody is a monoclonal antibody.

5. (original) The method of claim 1 wherein said antibody is an antibody fragment selected from the group consisting of Fab, Fa(ab'), F(ab')₂, and Fv.

6. (original) The method of claim 1 wherein said antibody is selected from monospecific antibodies, bispecific antibodies and heteroconjugate antibodies.

7. (original) The method of claim 1 wherein said antibody is a human antibody or a humanized antibody.

8-22. (canceled)

23. (previously presented) A method for the treatment of a pathological condition associated with elevated NT-3 production in a subject, comprising treating said subject with a therapeutically effective amount of an antibody specifically binding to a sequence within amino acid residues 32 and 839 of SEQ ID NO: 6.

24.-25. (canceled)